



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q79066

Hisashi ISHIKAWA

· ·

Appln. No.: 10/743,919

Group Art Unit: 2818

Confirmation No.: 9181

Examiner: Unknown

Filed: December 24, 2003

For:

SEMICONDUCTOR MEMORY DEVICE AND MOUNT-TYPE SEMICONDUCTOR

DEVICE

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

- Japanese Unexamined Patent Application Publication No. 2002-007200, published January 11, 2002 (with English Abstract).
- 2. Japanese Unexamined Patent Application Publication No. 2002-230963, published August 16, 2002 (with English Abstract).
- 3. Japanese Unexamined Patent Application Publication No. H05-346886, published December 27, 1993 (with English Abstract).

INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 10/743,919

- 4. Japanese Unexamined Patent Application Publication No. H08-241245, published September 17, 1996 (with English Abstract).
- 5. Japanese Unexamined Patent Application Publication No. 2002-082829, published March 22, 2002 (with English Abstract).
- 6. Japanese Unexamined Patent Application Publication No. H06-332580, published December 2, 1994 (with English Abstract).
- 7. Japanese Unexamined Patent Application Publication No. H04-326140, published November 16, 1992 (with English Abstract).
- 8. Japanese Unexamined Patent Application Publication No. H08-227377, published September 3, 1996 (with English Abstract).
- 9. Japanese Unexamined Patent Application Publication No. H2000-231534, published August 22, 2000 (with English Abstract).
- 10. "Using SDRAM" Elpida Memory, Inc., 2002
- 11. "Using DDR-SDRAM" Elpida Memory, Inc., 2001
- 12. "Hitachi SuperH RISC engine SH7729 Hardware Manual," Hitachi, Ltd., April 2000,p. 11-1 through 11-125

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 10/743,919

filing a request for continued examination (RCE) under §1.114, and therefore, no Statement

under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for

foreign language documents, Applicant encloses herewith a copy of a corresponding Japanese

Office Action dated May 17, 2005 and an English translation of the pertinent portions thereof

which cites such documents and indicates the degree of relevance found by the foreign office.

The submission of the listed documents is not intended as an admission that any such

document constitutes prior art against the claims of the present application. Applicant does not

waive any right to take any action that would be appropriate to antedate or otherwise remove any

listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue

Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any

overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

Ward L. Bernstein

Registration No. 25,665

SUGHRUE MION, PLLC

Telephone: (202) 293-7060

Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: August 17, 2005

3

Substitute for Form 1449 A & B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

1 7 2005

use as many sheets as necessary)

	MODIFIED	P10/SB/08 A & B (08-03	
	Comp	olete if Known	
Application Number		10/743,919	
Confirma	tion Number	9181	
Filing Da	te	December 24, 2003	
First Nam	ed Inventor	Hisashi ISHIKAWA	
Art Unit		2818	
Examiner	Name	Unknown	
Attorney	Docket Number	Q79066	

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite	Document	Document Number				
	No.1	Number	Kind Code" (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		
		US					
		US					
		US					
		US					
		US					
		US					
		US					
		US					
		US					

FOREIGN PATENT DOCUMENTS							
	Cite	Fo	Foreign Patent Document			Name of Patentee or	
	No.1	Country Code ³	Number ⁴	Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Translation ⁶
		JР	2002-007200	Α	01-11-2002	NEC CORP	Abstract
		JР	2002-230963	A	08-16-2002	INTERNATL BUSINESS MACH CORP (IBM)	Abstract
		JP	H05-346886	A	12-27-1993	OKI DATA SYST:KK; OKI ELECTRIC IND CO LTD	Abstract
		JP	H08-241245	Α	09-17-1996	TOSHIBA CORP	Abstract
		JР	2002-082829	Α	03-22-2002	NEC KOFU LTD	Abstract
		JP	H06-332580	Α	12-02-1994	FUJI PHOTO FILM CO LTD	Abstract
		JР	H04-326140	Α	11-16-1992	TOSHIBA CORP	Abstract
		JР	H08-227377	Α	09-03-1996	COMPAQ COMPUTER CORP	Abstract
		JР	H2000- 231534	A	08-22-2000	INTERNATL BUSINESS MACH CORP (IBM)	Abstract
		1					

		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*					
		"Using SDRAM" Elpida Memory, Inc., 2002	_		
		"Using DDR-SDRAM" Elpida Memory, Inc., 2001			
		"Hitachi SuperH RISC engine SH7729 Hardware Manual," Hitachi, Ltd., April 2000, p. 11-1 through 11-125			

Examiner Signature	 Da	ate Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.